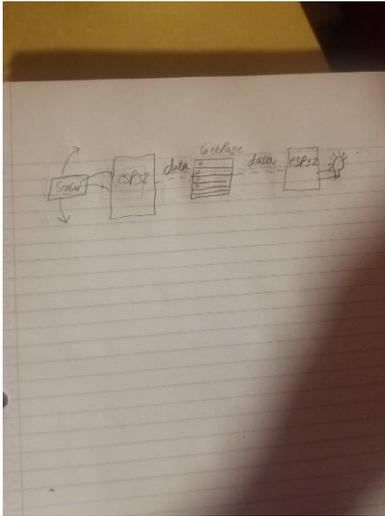


Kaden sandner

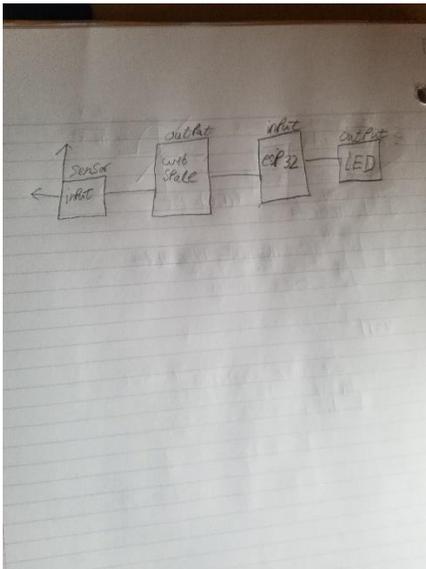
**Overall project:** alex is using a sensor to read data then upload that data to his php file then my esp32 will take the data from his php file and turn on a light with different colors depending on the data.

**Overall picture:**



**Program overview:** my esp32 takes the data from my partners webpage and sets those values to a different color of light.

**Picture:**



**Inputs:** moving the sensor around in the x, y, z will send data to the webpage in the form of 1s or 0s

**Outputs:** moving the sensor past a certain x, y and z coordinates will result 1 or 0 which activates a color otherwise it will remain off.

**Test plan:** flip sensor one way it sends 1s over the blue light should turn on, flip it the other direction it sends 0s the led remains off.

**Steps:** make code to get sensor to read x, y, z coordinates and then send that code to a php file on a webpage and then have another esp32 take that code and based off the x, y, z and flash a different color led.